

SEQUENCE LISTING

<110> BEE, Gary G.
 YANG, Yeasing Y.
 KOLK, Dan
 GIACHETTI, Cristina
 McDONOUGH, Sherrol H.

<120> DETECTION OF HIV-1 BY NUCLEIC ACID AMPLIFICATION

<130> GP103-02.UT

<140> To Be Assigned

<141> 2000-07-07

<150> 60/143,072

<151> 1999-07-09

<160> 57

<170> PatentIn Ver. 2.0

<210> 1

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 capture oligomer

<400> 1

actgacgctc tcgcacccat ct

22

<210> 2

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 capture oligomer with 3' tail sequence

<400> 2

actgacgctc tcgcacccat ctttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa

54

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 capture oligomer

<400> 3

gctggaataa cttctgcttc tat

23

<210> 4

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 capture oligomer with 3' tail sequence

<400> 4
 gctggaataa cttctgcttc tatttttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 56
 <210> 5
 <211> 24
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 capture oligomer
 <400> 5
 tctgctgtcc ctgtaataaa cccg 24
 <210> 6
 <211> 57
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 capture oligomer with 3' tail sequence
 <400> 6
 tctgctgtcc ctgtaataaa cccgttttaa aaaaaaaaaa aaaaaaaaaa aaaaaa 57
 <210> 7
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region
 <400> 7
 cgggcgccac tgctagagat ttt 23
 <210> 8
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer with 5' promoter sequence,
 for HIV-1 LTR region
 <400> 8
 aatttaatac gactcactat agggagacgg gcgccactgc tagagatttt 50
 <210> 9
 <211> 18
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region
 <400> 9
 gcctcaataa agcttgcc 18
 <210> 10
 <211> 19
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
amplification oligomer for HIV-1 pol sequence

<400> 10

acagcagtac aaatggcag

19

<210> 11

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<220>

<223> Description of Artificial Sequence: synthetic
amplification oligomer for HIV-1 pol sequence

<400> 11

acaaatggca gtattcatcc aca

23

<210> 12

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<220>

<223> Description of Artificial Sequence: synthetic
amplification oligomer for HIV-1 pol sequence

<400> 12

gtttgtatgt ctgttgctat tatgtcta

28

<210> 13

<211> 55

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
amplification oligomer with 5' promoter sequence,
for HIV-1 pol sequence

<400> 13

aatttaatac gactcactat agggagagtt tgtatgtctg ttgctattat gtcta

55

<210> 14

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
amplification oligomer for HIV-1 pol sequence

<400> 14

gtttgtatgt ctgttgctat tat

23

<210> 15

<211> 50

<212> DNA

<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer with 5' promoter sequence,
 for HIV-1 pol sequence

<400> 15
 aatttaatac gactcactat agggagagtt tgtatgtctg ttgctattat 50

<210> 16
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 oligomer probe

<220>
 <221> modified_base
 <222> (7)
 <223> any base, including inosine

<400> 16
 ctggtancta gagatccctc 20

<210> 17
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 oligomer probe

<400> 17
 ccacaatttt aaaagaaaag gg 22

<210> 18
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 oligomer probe

<220>
 <221> modified_base
 <222> (8)
 <223> inosine

<400> 18
 ggattggngg gtacagt 17

<210> 19
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 capture oligomer

<400> 19
 acaaccatcc aaargtcagt gg 22

<210> 20

<211> 52
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic
 capture oligomer with 3' tail sequence

 <400> 20
 acaaccatcc aaargtcagt ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 52

 <210> 21
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region

 <400> 21
 cctgttcggg cgccactgc 19

 <210> 22
 <211> 43
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer with 5' promoter sequence,
 for HIV-1 LTR region

 <400> 22
 ttaatacgac tcactatagg gagacctggt cgggcgccac tgc 43

 <210> 23
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region

 <400> 23
 ggcgcactg ctagagattt t 21

 <210> 24
 <211> 48
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer with 5' promoter sequence,
 for HIV-1 LTR region

 <400> 24
 aatttaatac gactcactat agggagaggc gccactgcta gagatttt 48

 <210> 25
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Description of Artificial Sequence: synthetic
amplification oligomer for HIV-1 LTR region

<400> 25
cgggcgccac tgctagagat tttc 24

<210> 26
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
amplification oligomer with 5' promoter sequence,
for HIV-1 LTR region

<400> 26
aatttaatac gactcactat agggagacgg ggcgcactgc tagagatttt c 51

<210> 27
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
amplification oligomer for HIV-1 LTR region

<400> 27
gggcgccact gctagagatt ttc 23

<210> 28
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
amplification oligomer with 5' promoter sequence,
for HIV-1 LTR region

<400> 28
aatttaatac gactcactat agggagagggc gccactgcta gagattttc 49

<210> 29
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
amplification oligomer for HIV-1 LTR region

<400> 29
gttcggggcgc cactgctaga g 21

<210> 30
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
amplification oligomer with 5' promoter sequence,
for HIV-1 LTR region

<400> 30

aatttaatac gactcactat agggagagtt cgggcgccac tgctagag 48

<210> 31
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region

<400> 31
 ctgttcgggc gccactgcta g 21

<210> 32
 <211> 47
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer with 5' promoter sequence,
 for HIV-1 LTR region

<400> 32
 atttaatacg actcactata gggagactgt tcgggcgcca ctgctag 47

<210> 33
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region

<400> 33
 gcaagccgag tcctgcgtcg agag 24

<210> 34
 <211> 51
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer with 5' promoter sequence,
 for HIV-1 LTR region

<400> 34
 aatttaatac gactcactat agggagagca agccgagtcc tgcgtcgaga g 51

<210> 35
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region

<400> 35
 gcttaagcct caataaagct tgcctt 26

<210> 36
 <211> 23
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region
 <400> 36
 gcctcaataa agcttgccctt gag 23
 <210> 37
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region
 <400> 37
 gcttaagcct caataaagct tgc 23
 <210> 38
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 amplification oligomer for HIV-1 LTR region
 <400> 38
 ctgcttaagc ctcaataaag c 21
 <210> 39
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 oligomer probe
 <220>
 <221> modified_base
 <222> (6)..(7)
 <223> any base, including inosine
 <400> 39
 ctggtnncta gagatccctc 20
 <210> 40
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic
 oligomer probe
 <400> 40
 ggtarctaga gatccctcag 20
 <210> 41
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic oligomer probe

 <400> 41
 gactctggta actagagatc 20

 <210> 42
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic amplification oligomer for HIV-1 pol sequence

 <400> 42
 acagcagtac aaatgg 16

 <210> 43
 <211> 51
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic amplification oligomer with 5' promoter sequence, for HIV-1 pol sequence

 <400> 43
 aatttaatac gactcactat agggagagta tgtctgttgc tattatgtct a 51

 <210> 44
 <211> 51
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic amplification oligomer with 5' promoter sequence, for HIV-1 pol sequence

 <400> 44
 aatttaatac gactcactat agggagaagt ttgtatgtct gttgctatta t 51

 <210> 45
 <211> 54
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic capture oligomer with 3' tail sequence

 <400> 45
 actgacgcac tcgcacccat ctttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 54

 <210> 46
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic oligomer probe

 <220>

<221> modified_base
 <222> (26)
 <223> any base, including inosine

 <220>
 <221> modified_base
 <222> (29)
 <223> any base, including inosine

 <400> 46
 tcatucacaa ttttaaaaga aaaggnggna 30

 <210> 47
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic
 oligomer probe

 <400> 47
 ccacaatttt aaaagaaaag gggggattgg 30

 <210> 48
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic
 oligomer probe

 <400> 48
 gggtacagtg caggggaaag aatagtagac 30

 <210> 49
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic
 oligomer probe

 <400> 49
 gggtacagtg caggggaaag aa 22

 <210> 50
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic
 oligomer probe

 <220>
 <221> modified_base
 <222> (9)
 <223> any base, including inosine

 <400> 50
 agaaaaggng ggattggg 18

 <210> 51
 <211> 20

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic oligomer probe

 <220>
 <221> modified_base
 <222> (4)
 <223> any base, including inosine

 <220>
 <221> modified_base
 <222> (13)
 <223> any base, including inosine

 <400> 51
 agnggggatt ggngggtaca 20

 <210> 52
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic oligomer probe

 <220>
 <221> modified_base
 <222> (3)
 <223> any base, including inosine

 <220>
 <221> modified_base
 <222> (11)
 <223> any base, including inosine

 <400> 52
 ggnggattgg ngggtacagt 20

 <210> 53
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic oligomer probe

 <220>
 <221> modified_base
 <222> (9)
 <223> any base, including inosine

 <400> 53
 gggattggng ggtacagtg 19

 <210> 54
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic oligomer probe

<400> 54 caggggaaag aatagtagac	20
<210> 55	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: synthetic oligomer probe	
<400> 55 caggggaaag aatagta	17
<210> 56	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: synthetic oligomer probe	
<400> 56 ggggaaagaa tagtagac	18
<210> 57	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: synthetic capture oligomer	
<400> 57 actgacgcac tcgcacccat ct	22